

United States Environmental Protection Agency Office of Environmental Measurement & Evaluation 11 Technology Drive North Chelmsford, MA 01863-2431

Laboratory Results

July 26, 2017

Danielle Gaito - Mail Code OEP06-4 Evan Lewis - Mail Code OEP06-1 US EPA New England R1

Project No: 17070012

Project: Merrymeeting River - Durham, NH Analysis: Total Suspended Solids in Water

EPA Chemist: Bhavita Patel

Date Samples Received by the Laboratory: 07/12/2017

Analytical Procedure:

All samples were received and logged in by the laboratory according to the USEPA New England Laboratory SOP for Sample Log-in.

Sample preparation and analysis was done following the EPA Region I SOP, INGTSS-TDS-VRES6.

The SOP is based on SM 2540 D.

Results relate only to the items tested or to the samples as received by the Laboratory. This analytical report shall not be reproduced except in full, without written approval of the laboratory.

Data were reviewed in accordance with the internal verification procedures described in the EPA New England Quality Manual for NERL.

If you have any questions please call me at 617-918-8340.

Sincerely,

Qualifiers: Page 2 of 5

- **RL** = Reporting limit
- **ND** = Not Detected above Reporting limit
- **NA** = Not Applicable due to high sample dilutions or sample interferences
- **NC** = Not calculated since analyte concentration is ND.
- J = Estimated value
- **J1** = Estimated value due to MS recovery outside acceptance criteria
- **J2** = Estimated value due to LFB result outside acceptance criteria
- **J3** = Estimated value due to RPD result outside acceptance criteria
- **J4** = Estimated value due to LCS result outside acceptance criteria
- \mathbf{E} = Estimated value exceeds the calibration range
- L = Estimated value is below the calibration range
- **B** = Analyte is associated with the lab blank or trip blank contamination. Values are qualified when the observed concentration of the contamination in the sample extract is less than 10 times the concentration in the blank.
- ${f R}={f No}$ recovery was calculated since the analyte concentration is greater than four times the spike level.
- ${f P}={f The}$ confirmation value exceeded 35% difference and is less than 100%. The lower value is reported.
- C =The identification has been confirmed by GC/MS.
- \mathbf{A} = Suspected Aldol condensation product.
- N =Tentatively identified compound.

US ENVIRONMENTAL PROTECTION AGENCY NEW ENGLAND LABORATORY

Merrymeeting River - Durham, NH

Total Suspended Solids in Water

Matrix: Water

Sample Number	Lab ID	Collected	Analysis	Concentration mg/L	RL mg/L	Qualifier
MM1-July Comments:	AB68285	07/12/2017 10:26	07/17/2017	3.0	2.5	
PM01-July Comments:	AB68286	07/12/2017 10:35	07/17/2017	ND	2.5	
PM02-July Comments:	AB68287	07/12/2017 10:47	07/17/2017	ND	2.5	
MM2-July Comments:	AB68288	07/12/2017 11:02	07/17/2017	2.8	2.5	
MM3-July Comments:	AB68289	07/12/2017 11:15	07/17/2017	ND	2.5	
DUP02-July Comments:	AB68290	07/12/2017 0:00	07/17/2017	ND	2.5	
Blank Comments:			07/17/2017	ND	2.5	

US ENVIRONMENTAL PROTECTION AGENCY NEW ENGLAND LABORATORY

Merrymeeting River - Durham, NH

Laboratory Duplicate Results

		SAMPLE RESULT	SAMPLE DUP RESULT	PRECISION RPD	QC LIMITS
SAMPLE ID	PARAMETER	mg/L	mg/L	%	(%RPD)
AB68288	Total Suspended Solids in Water	2.8	2.5	11.3	25

REGION 1

CHAIN OF CUSTODY RECORD

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